

DEPARTMENT OF PUBLIC WORKS

PRE-APPROVED PLANS POLICY

Policy R-36: Guidelines for Short-term Bicycle Parking

PURPOSE:

The purpose of this policy is to provide detail guidance for short-term bicycle parking facilities in regards to location, security, convenience for use in the public right-of-way. Guidance is necessary to promote bicycling as an integral mode of transportation which meets the city's goals for a multi-modal transportation system and a vibrant and healthy community. The quantity of bicycle parking will be in accordance with Kirkland Municipal Code

Considerations:

For **site planning** the bicycle rack, the proposed location must be located at least 100' from the served building entrance. A lesser distance may be required if the visibility of the bicycle rack is obstructed. Ideally, the bicycle parking rack should be protected from the weather but it isn't necessary for short-term bicycle parking installations. Lastly, the proposed location needs to consider the lighting of the area. In order to preserve adequate visibility of the bicycle rack, the proposed location needs to be placed properly in conjunction of existing lighting infrastructure.

When considering **installation**, all bicycle racks must be fastened to a sturdy surface with appropriate fasteners. The surfaces can include but are not exclusive to concrete (preferred), pavers, and asphalt. Soft surfaces such as earth or mulch can be considered but will need to accommodate in-ground mounting. The fasteners need to be secure and appropriate for the mounting surface for the proposed location. The types of fasteners include concrete spikes, wedge anchors and security non-tamper nuts.

In regards to the **bicycle rack material**, typically, they are made of carbon steel or stainless steel, which are sufficient for security, however, rack coatings must be considered in order to minimize damaging bicycles locked to the rack. The rack coatings can include but are not exclusive to powder coating (TGIC or similar) and thermoplastic.

In consideration for the **type of racks** acceptable to the City of Kirkland; the bicycle racks need to be easy to use, intuitive, secure for locking a bicycle, and is able to comply with the minimum installation dimensions recommended in this policy. The rack must be constructed to support the frame a bicycle in at least two places and enable the use of U-locks so that the bicycle frame and tire can be locked appropriately to the rack.

Acceptable rack types include but are not exclusive to:

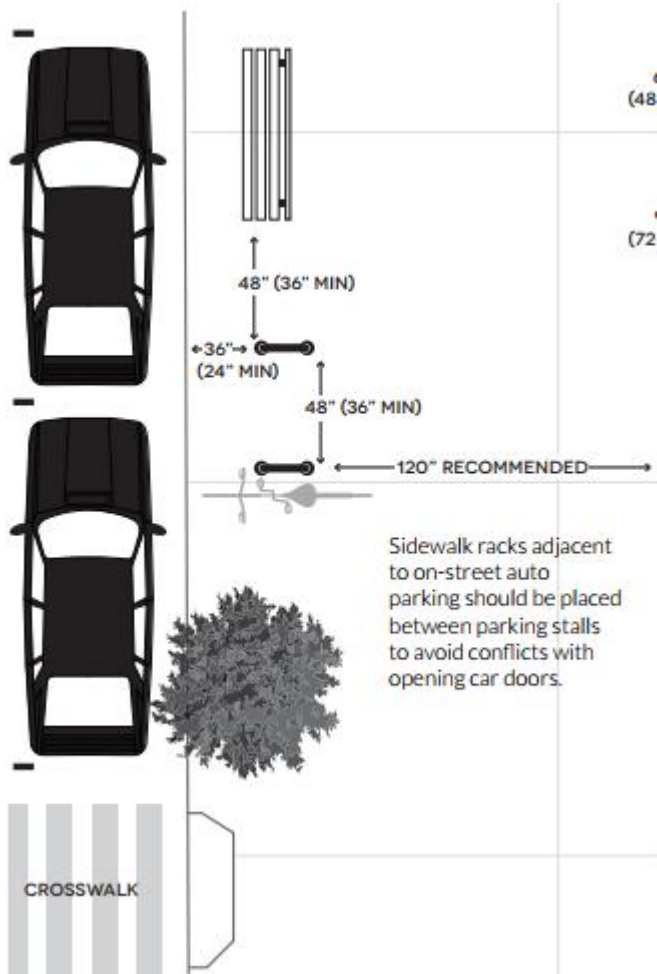
- Inverted U or staple
- Rack cradles (must also support frame locking)
- Wall-mounted
- Corrals

Installation spacing requirements:

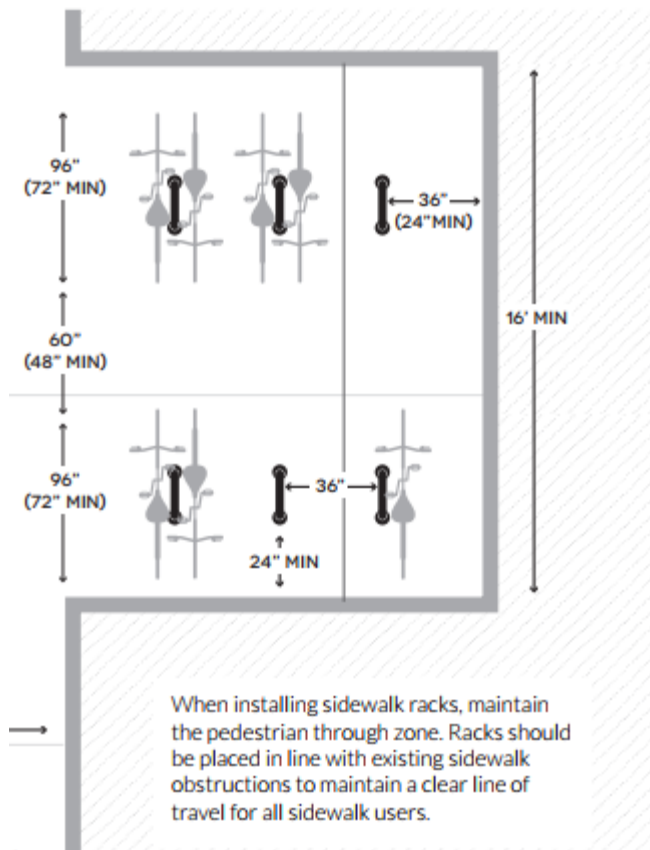
In addition to the below spacing requirements, all bicycle parking shall not encroach on any walkway area, bicycle facility travel lane, or motorized vehicle travel lanes. The footprint of a typical single occupant bicycle is approximately 6' x 2', and cargo bikes (sometimes multiple occupants) add an additional 4'-6' in profile length.

The following drawings provide basic spacing requirements for the placement and configuration of bicycle parking racks, but the Public Works Department will approve all proposed installation locations.

Drawing A



Drawing B



Drawing C

